



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

OCT 23 2013

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Article Number: 7005 3110 0000 5939 9118

Honorable Leland M. Hairr, Mayor
Village of Lloyd Harbor
32 Middle Hollow Road
Huntington, New York 11743

Re: MS4 Inspection - Village of Lloyd Harbor
NPDES Permit No. NYR20A299

Dear Mayor Hairr:

This is in reference to the United States Environmental Protection Agency's (USEPA) Region 2, MS4 Compliance Evaluation Inspection (CEI) at the subject facility on September 16-17, 2013. This inspection report includes recommendations and areas of potential noncompliance that should be addressed (see the enclosed report).

Within thirty (60) days of receipt of this letter, please respond to the USEPA in writing with the actions that the Village has taken or will take to address the potential noncompliance items and areas of concern identified in this report. Also, please send copies of your response to Joe DiMura, P.E., Director, Bureau of Water Compliance Programs, Division of Water, NYSDEC, 625 Broadway, Albany, NY 12233-3506.

Should you have any questions feel free to contact Jerry Ciotola at (212) 637-4223 or Mrs. Justine Modigliani, Chief Compliance Section at (212) 637-4268.

Sincerely yours,

A blue ink signature of Mr. Douglas McKenna is written over a horizontal line.

Mr. Douglas McKenna, Chief
Water Compliance Branch

Enclosure

cc: Joe DiMura, P.E., Director, Bureau of Water Compliance Programs, NYSDEC
Sara Dorman, NYSDEC Region 1, Stony Brook



United States Environmental Protection Agency
Washington, D.C. 20460
Water Compliance Inspection Report

Form Approved.
OMB No. 2040-0057

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N	NYR20A299	12 13 09 19 17	-	R	1
Remarks					
21					
Inspection Work Days	Facility Self-Monitoring Evaluation Rating	B1	QA	Reserved	
67 2		71	72	73	74
				75	80

Section B: Facility Data

Name and Location of Facility Inspected (for industrial users discharging to POTW, also include POTW name and NPDES permit number) Village of Lloyd Harbor 32 Middle Hollow Road Huntington, New York 11743	Entry Time/Date 9/16/13 (10:45 am)	Permit Effective Date N/A
	Exit Time/Date 9/17/13 (12:30pm)	Permit Expiration Date N/A
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Robert Schwarz, Superintendent of Public Works Village of Lloyd Harbor (631) 549-8880	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number(s) Leland M. Hairr, Mayor 631-549-8893	Contacted <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> CSO/SSO (Sewer Overflow)
<input checked="" type="checkbox"/> Records/Reports	<input checked="" type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Pollution Prevention
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Multimedia
<input checked="" type="checkbox"/> Effluent/Receiving Water	<input type="checkbox"/> Laboratory	<input checked="" type="checkbox"/> Storm Water MS4	<input type="checkbox"/> Other: STP's

Section D: Summary of Findings/Comments (Attach additional sheets of narrative and checklists as necessary)

See Attached Report.

Also present on site:

Robert Ferri, Environmental Protection Agency, R2-WCB (212) 637-4227
Sara Dorman, NYSDEC Region 1, Stony Brook, NY

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
 Jerry Ciotola, Env. Eng.	EPA/DECA-WCB (212) 637-4223/FAX:x4211	9/19/2013
Signature of Management Q/A Reviewer	Agency/Office/Phone and Fax Numbers	Date
 Justin Modigliani, Chief, Compliance Section	EPA/DECA-WCB/(212) 637-4268/FAX:x4211	

MS4 Inspection Report/Village of Lloyd Harbor NY (NYR20A299)
September 16-17, 2013

Village of Lloyd Harbor (part of the Town of Huntington)
Middle Hollow Road
Suffolk County, NY

Attendees:

Jerry Ciotola, US EPA 212-637-4223;
Robert Ferri, US EPA 212-637-4227;
Sara Dorman, NYS DEC 631-444-0425;
Mayor Leland M. Hairr, Village of Lloyd Harbor Mayor [by phone];
Eileen Schultz, Village of Lloyd Harbor Clerk/Treasurer 631-549-8893;
Robert Schwarz, Village of Lloyd Harbor Stormwater Management Program Coordinator 631-549-8880;
John Wickman, Lloyd Harbor Highway, 631-549-8880;
Carl R. Salminen R.A., Stormwater Management Officer Building Inspector 631-427-1612;
Sharon Norton Remmer, H2M, Village Engineer 631-756-8000x1705;
Steven Hyman, H2M, Village Engineer 631-756-8000x1701;

Background

The Village of Lloyd Harbor is located on the north shore of Long Island, Suffolk County, New York with a population of 3,600 based on the 2010 census. Lloyd Harbor is bordered by Huntington Bay to the east and Cold Spring Harbor on its west, Long Island Sound to the North, and the Town of Huntington, lying directly south of the Village. Lloyd Harbor encompasses approximately 10 sq. mi. The Village is primarily a rural residential community. There are no commercial or industrial businesses.

Introduction

The Village stormwater flows to the Lloyd Harbor inlet, and Huntington harbor, a pathogen impaired water-body. The New York State Department of Environmental Conservation (NYSDEC) identified Huntington Harbor on its water quality related 303(d) list (Individual Waterbodies with Impaired Segments) as a water-body with pollution. The Village stormwater conveyance system is maintained by the Highway Department, consisting of stormwater outfalls, catch basins, drywells, and interconnecting pipes. The Village also installed a storm hydrodynamic separator system on West Neck Road primarily to reduce floatables, silt and sediment into the Mill Swamp watershed. The majority of the Village outfalls are tidally influenced.

The Village's Storm Water Management Plan was prepared by Holzmacher, McLendon & Murrell Consulting Engineers, and was revised September 11, 2013. According to the most recent Annual Report and Certification Filing to NYSDEC, ending Dec 31, 2012, the Township has a total of 29 stormwater outfalls draining to the Lloyd Harbor and Huntington Bay.

Each year all of the catch basins are checked and cleaned. The Village has a street sweeper. There is regular flooding at Little Neck Road. There are no active construction sites over one acre in the Village. The septic systems in the Village use twelve foot deep leaching pits not leach-fields. The minimum lot size is two acres and most are four acres.

Inspection

On September 16, 2013, an entrance meeting was held with Village officials that included Robert Schwarz, and John Wickham, Highway Department, Eileen Schultz, Village Clerk-Treasurer, Carl Salmimen, Building Inspector. Consulting Engineers Steven Hyman and Sharon Remmer, H2M, and by speakerphone, Mayor Leland M. Hairr. The meeting was held at the Village Hall, 32 Middle Hollow Road, followed by an inspection of the Municipal Garage, Police Department Station, and the Park's Dept. Beach House. During the meeting we had the opportunity to discuss general requirements of the Municipal Separate Storm Sewer System (MS4) permit, drainage profile for the Village, focusing on the Illicit Discharge Detection and Elimination (IDDE) and the Storm Water Management Program Plan (SWMP) development and implementation.

Steven Hyman and Sharon Norton Remmer gave a brief overview of the Village's storm water system and watersheds, and provided detailed mapping information in both hard copy and pdf format. The Village's 29 stormwater outfalls were not fully GIS field verified, but were field inspected using a Trimble tracking device in September 2013 by representatives of Cornell Cooperative Extension. The Village does not own or maintain a sanitary sewer collection system and information pertaining to individual on-site sanitary sewage disposal systems is maintained by the Suffolk County Department of Health Services.

Weather Conditions: Weather for the September 16, 2013 inspection of the Village garage and salt/sand storage shed was overcast, and cool, with a brief shower. The refueling system was below ground storage capacity of 6,000 gallons diesel. Behind the garage was a 550 gal fuel oil and 300 gal waste oil tank. There are no storm drains located within vehicle maintenance or storage garages. The salt storage building consisted of calcium chloride mixed with sand for winter road de-icing.

On the afternoon of September 16, and morning of the 17th, an inspection of a Village outfalls and catch basins, was conducted by the U.S. Environmental Protection Agency (EPA) inspectors accompanied by Bob Schwarz and H2M project engineer Michael Bowden. Sara Dorman of the DEC Regional office was present on the first day. The purpose of EPA's NPDES MS4 inspection was to identify potential sources of pathogens and illicit discharges that might impact water quality in the area to surface waters of the state. The EPA inspectors consisted of Jerry Ciotola and Robert Ferri.

Police Station

All drywells at this site have been inventoried.

No vehicle maintenance is done at this site. Outside drywells looked to contain only storm water. There was a septic system at this site for less than twenty persons.

Hydrodynamic Separator

There was a hydrodynamic separator at Fiske Pond on West Lake Road. It was composed of three tanks or chambers. One chamber collected sediment, the next floatables and the third allowed the water to settle prior to discharge. The separator waste is disposed of offsite by the contractor. This system is for less than five year storms but is very effective for normal rain events.

Three Outfalls #s 2006, 2007 and 2008

These outfalls (2006, 2007 and 2008) located along the Causeway. They actually flow back and forth across the causeway. Starting inland the normal flow of groundwater is from a pond [2006] by George Sabah's House (lots of algae) then under the road towards the Town of Huntington shore [2007] and then back again under the road [2008].

Village Park Beach House

There are five rooms with one floor drain in each at this building. The boiler room has a boiler waste fluid drain nearby, the two bathrooms have drains and the two showers have drains. The fluids from the boiler, bathrooms including sanitary waste and the showers all discharge to a drywell on the property. More than twenty persons use these facilities. The drywell is being used as a large capacity cesspool because there is no primary treatment of sanitary waste.

Recommendations (Potential Noncompliance /Areas of Concern)

1. At outfall locations where excessive slopes could potentially cause severe scouring/erosion during intense storm event, riprap is recommended.
2. Part VII.A.6.f. of the State Pollutant Discharge Elimination System (SPDES) General Permit (GP-0-10-002) requires that municipal operations and facilities' that the pollution prevention and good housekeeping program is assessed. At the highway garage, inspectors identified wash downs of paints to an infiltrating well. We recommend that this practice is corrected, and consider exploring vehicle wash downs be consolidated with the Town of Huntington.
3. At the Park's Dept. beach building, sanitary and grey water should not be discharged to an infiltrating well which requires a separate SPDES permit. We recommend that a septic tank/holding tank be installed at this location.
4. Spill kits are recommended at the garage and fueling station, and drain protection should be considered where infiltrating wells are present.

Outfalls Inspected by EPA (September 16-17, 2013)

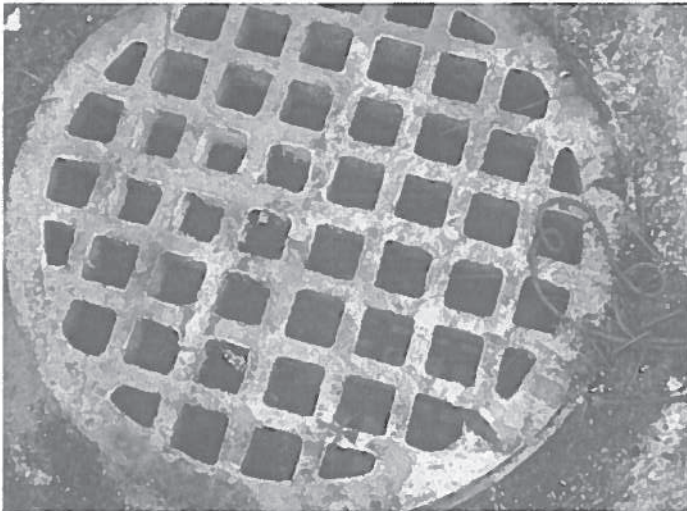
UIC Inventory was sent in on 9/13/13. See two letters both dated 9/13/13. One is for the drywell at the Lloyd Harbor Police Station and the other is for seven storm water drywells and one sanitary leaching pit receiving wastes from a septic tank serving eleven employees.

All of the outfalls have been mapped but they are not on a GIS layer. The permit requires that these be entered into a GIS system.

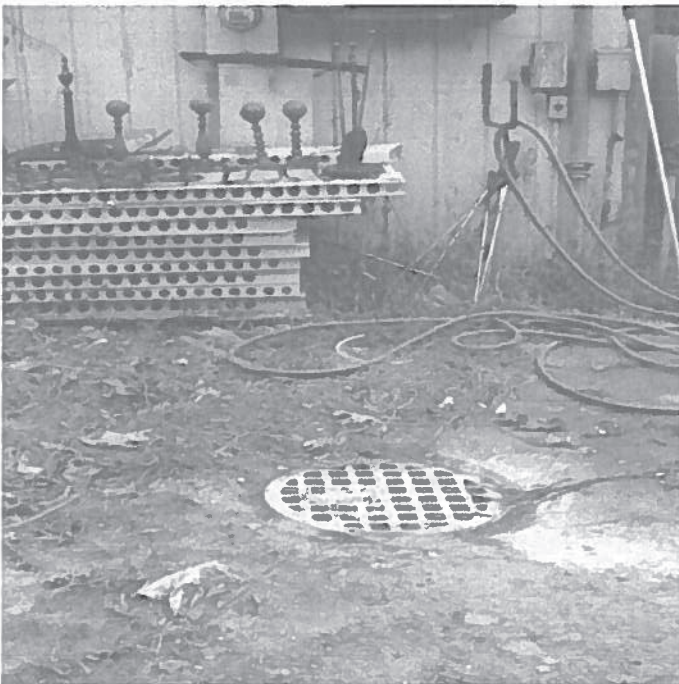
{See attached spreadsheet}

PHOTOGRAPH LOG (Panasonic Lumix L8Z)

Village of Lloyd Harbor, NY (Unedited photos taken by Jerry Ciotola, Environmental Engineer, USEPA Region 2, Water Compliance Branch, September 16, 2013)



Truck wash-down dry well onsite at Village Garage receiving paint residues



Truck wash-down dry well onsite at Village Garage receiving paint residues

Municipality

Lloyd Harbor

Date and Weather

9/16-17/13 [9/16/13 mixed sun and rain] [9/17/13 sunny]

Inspectors

Jerry Ciotola and Rob Ferri

Outfall ID		Outfalls					Open Channel		Observations					
ID # cross streets	GPS coordinates	shape	height-width diameter	pipe material	water	sediment	channel	erosion	flow volume	flow color	odors	floatables	notes	discharges to
	Monday													
2016	40 55.288, -073 26.763	pipe	12"	ceramic	submerged				none		none	none		Lloyd Harbor
2013	40 55.240, -073 26.849						greenery	none	none		none	none	1	Lloyd Harbor
2015	40 55.236, -073 26.856								none		none	none		
2014	40 55.220, -073 26.861	pipe			submerged				none		none	none		
2012	40 55.104, -073 26.974	pipe	12"						none		none	trash		
1269	40 54.882, -073 27.432	pipe							none		none	none		
2017	40 54.879, -073 27.437	pipe	36"	concrete					slight		none	none	2	
1268	40 54.898, -073 27.826	pipe	8"	concrete		partial			none		none	none	3	
2010	40 54.853, -073 28.066	pipe	15"	metal		full			none		none	none		
1267	40 54.852, -073 28.139	pipe	36"	concrete					none		none	none		
1266	40 54.861, -073 28.228	pipe	12"	ceramic					none		none	none		
1265	40 54.849, -073 20.338						riprap	none	none		none	none		
1264	40 54.849, -073 20.342	pipe	12"	iron		partial			none		none	none		
	Tuesday													
2018	40 54.847, -073 28.388	pipe	8"			full			none		none	none	4	
2019									none		none	none	5	Lloyd Harbor
1262		box	48"						none		none	none	6	
1261	40 54.835, -073 28.586	pipe	8"	clay					none		none	none		Lloyd Harbor
1259	40 54.837, -073 28.602	box	48"	concrete					slight		none	none	7	
1260	40 54.835, -073 28.621	pipe	12"	ceramic					none		none	none	8	
1258	40 54.837, -073 28.757	pipe	12"	concrete					none		none	none	8	
1263	40 54.821, -073 28.853	pipe		corrugate		full			none		none	none	9	

1257	40 54.794, -073 28.925	pipe	8"	ceramic					none		none	none	8	
1256	40 54.783, -073 28.984	pipe	6"	ceramic					none		none	none	10	
2009	40 54.706, -073 29.095	pipe				full			none		none	none	11	
2004									none		none	none	12	
2003													13	
2002													14	
2001	40 53.885, -073 26.890	pipe	15"	concrete		partial			none		none	none	15	
2001a	40 53.885, -073 26.890	pipe	12"	concrete		partial			none		none	none	15	
2000	40 52.690, -073 27.143	pipe	24"			partial			slight		none	none	16	
2000a	40 52.690, -073 27.143	pipe	14"			partial			slight		none	none	16	
2011	40 53.665, -073 27.260	pipe	8"	ceramic					none		none	none	17	

Notes

1. end of swale leading to culvert at Lloyd Harbor Road [post sign]
2. pipe is disjointed
3. needs to be cleaned out
4. excavated recently, at Caumsett State Historic Park Preserve
5. not observed, at Caumsett State Historic Park Preserve
6. needs cleanout
7. 3" guyot flow is from natural springs uphill, 6' down slope from outfall
8. recently dug out
9. could not observe, Fort Hill Road
10. started to dig out, could use an insert in the catch basin
11. water bubbles up out of the grass, could use work to uncover, but drains to a wetland
12. sheetflow at the end of a road, take this outfall off list
13. there was no right of way for inspectors to check outfall, swale is on private property
13. continued: take this outfall off list
14. take this outfall off list
15. 2001 and 2001a are next to one another, flow from Fiske Pond leads to these pipes that discharge to a stream and then Mill Pond
16. hard to see due to greenery
17. slab over catch basin should be a metal grate for O & M